

10/014, 665
27
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- NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
- NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
- NEWS 4 Apr 09 ZDB will be removed from STN
- NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
- NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
- NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
- NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
- NEWS 9 Jun 03 New e-mail delivery for search results now available
- NEWS 10 Jun 10 MEDLINE Reload
- NEWS 11 Jun 10 PCTFULL has been reloaded
- NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
- NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
- NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
- NEWS 15 Jul 30 NETFIRST to be removed from STN
- NEWS 16 Aug 08 CANCERLIT reload
- NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
- NEWS 18 Aug 08 NTIS has been reloaded and enhanced
- NEWS 19 Aug 09 JAPIO to be reloaded August 25, 2002
- NEWS 20 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
- NEWS 21 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
- NEWS 22 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
- NEWS 23 Aug 26 Sequence searching in REGISTRY enhanced

- NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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- NEWS WWW CAS World Wide Web Site (general information)

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=> file reg

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ENTRY

SESSION

FULL ESTIMATED COST

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0.21

FILE 'REGISTRY' ENTERED AT 11:48:58 ON 27 AUG 2002

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STRUCTURE FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6

DICTIONARY FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s IBX

L1 6 IBX

=> d l1 1-6

L1 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2002 ACS

RN 345893-89-2 REGISTRY

CN 2-Propenoic acid, 2-methyl-, 2-hydroxypropyl ester, polymer with
.alpha.-[4-nonyl-2-(1-propenyl)phenyl]-.omega.-hydroxypoly(oxy-1,2-
ethanediyl), Shikoh UV 3000B and rel-(1R,2R,4R)-1,7,7-
trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate, graft (9CI) (CA
INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propenoic acid, 2-methyl-, (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-
2-yl ester, rel-, polymer with 2-hydroxypropyl 2-methyl-2-propenoate,
.alpha.-[4-nonyl-2-(1-propenyl)phenyl]-.omega.-hydroxypoly(oxy-1,2-
ethanediyl) and Shikoh UV 3000B, graft (9CI)

CN Poly(oxy-1,2-ethanediyl), .alpha.-[4-nonyl-2-(1-propenyl)phenyl]-.omega.-
hydroxy-, polymer with 2-hydroxypropyl 2-methyl-2-propenoate, Shikoh UV
3000B and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl
2-methyl-2-propenoate, graft (9CI)

CN Shikoh UV 3000B, polymer with 2-hydroxypropyl 2-methyl-2-propenoate,
.alpha.-[4-nonyl-2-(1-propenyl)phenyl]-.omega.-hydroxypoly(oxy-1,2-
ethanediyl) and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl
2-methyl-2-propenoate, graft (9CI)

OTHER NAMES:

CN **Aqualon RN 20-Light Ester HOP-Light Ester IBX-UV 3000B copolymer**

FS STEREOSEARCH

MF (C14 H22 O2 . C7 H12 O3 . (C2 H4 O)n C18 H28 O . Unspecified)x

CI PMS

PCT Manual component, Polyacrylic, Polyether, Polyother, Polystyrene

SR CA

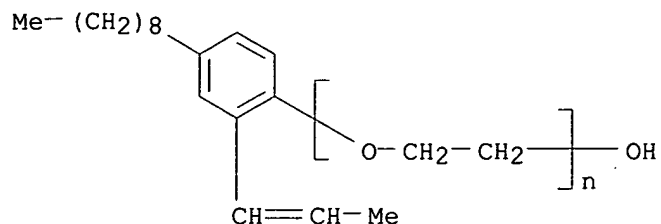
LC STN Files: CA, CAPLUS

CM 1

CRN 146847-27-0

CMF (C2 H4 O)n C18 H28 O

CCI PMS



CM 2

CRN 113690-18-9

CMF Unspecified

CCI MAN

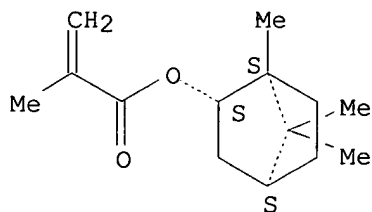
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 3

CRN 7534-94-3

CMF C14 H22 O2

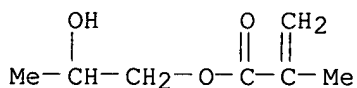
Relative stereochemistry.



CM 4

CRN 923-26-2

CMF C7 H12 O3



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2002 ACS

RN 255382-75-3 REGISTRY

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, dodecyl 2-methyl-2-propenoate, ethenylbenzene, ethyl 2-propenoate, 6-hydroxyhexyl 2-methyl-2-propenoate and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propenoic acid, 2-methyl-, (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, rel-, polymer with butyl 2-propenoate, dodecyl 2-methyl-2-propenoate, ethenylbenzene, ethyl 2-propenoate, 6-hydroxyhexyl 2-methyl-2-propenoate and 2-methyl-2-propenoic acid (9CI)

CN 2-Propenoic acid, 2-methyl-, 6-hydroxyhexyl ester, polymer with butyl

2-propenoate, dodecyl 2-methyl-2-propenoate, ethenylbenzene, ethyl 2-propenoate, 2-methyl-2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)

CN 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with butyl 2-propenoate, ethenylbenzene, ethyl 2-propenoate, 6-hydroxyhexyl 2-methyl-2-propenoate, 2-methyl-2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)

CN 2-Propenoic acid, butyl ester, polymer with dodecyl 2-methyl-2-propenoate, ethenylbenzene, ethyl 2-propenoate, 6-hydroxyhexyl 2-methyl-2-propenoate, 2-methyl-2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)

CN 2-Propenoic acid, ethyl ester, polymer with butyl 2-propenoate, dodecyl 2-methyl-2-propenoate, ethenylbenzene, 6-hydroxyhexyl 2-methyl-2-propenoate, 2-methyl-2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)

CN Benzene, ethenyl-, polymer with butyl 2-propenoate, dodecyl 2-methyl-2-propenoate, ethyl 2-propenoate, 6-hydroxyhexyl 2-methyl-2-propenoate, 2-methyl-2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)

OTHER NAMES:

CN **Acryester IBX-butyl acrylate-ethyl acrylate-6-hydroxyhexyl methacrylate-lauryl methacrylate-methacrylic acid-styrene copolymer**

FS STEREOSEARCH

MF (C16 H30 O2 . C14 H22 O2 . C10 H18 O3 . C8 H8 . C7 H12 O2 . C5 H8 O2 . C4 H6 O2)x

CI PMS

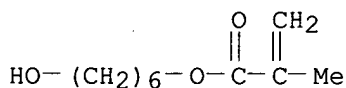
PCT Polyacrylic, Polystyrene

SR CA

LC STN Files: CA, CAPLUS

CM 1

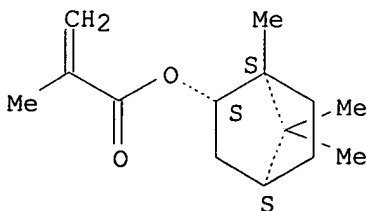
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CMF C10 H18 O3



CM 2

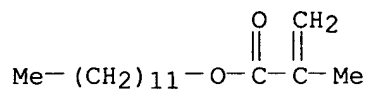
CRN 7534-94-3
CMF C14 H22 O2

Relative stereochemistry.



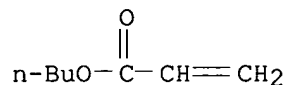
CM 3

CRN 142-90-5
CMF C16 H30 O2



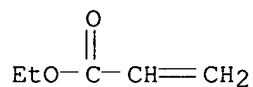
CM 4

CRN 141-32-2
CMF C7 H12 O2



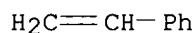
CM 5

CRN 140-88-5
CMF C5 H8 O2



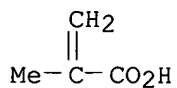
CM 6

CRN 100-42-5
CMF C8 H8



CM 7

CRN 79-41-4
CMF C4 H6 O2



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2002 ACS

RN 255382-73-1 REGISTRY

CN Butanedioic acid, mono[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl] ester, polymer with butyl 2-propenoate, dodecyl 2-methyl-2-propenoate, ethenylbenzene, ethyl 2-propenoate, 2-hydroxyethyl 2-propenoate, 2-methyl-2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

- CN 2-Propenoic acid, 2-hydroxyethyl ester, polymer with butyl 2-propenoate, dodecyl 2-methyl-2-propenoate, ethenylbenzene, ethyl 2-propenoate, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl hydrogen butanedioate, 2-methyl-2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)
- CN 2-Propenoic acid, 2-methyl-, (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, rel-, polymer with butyl 2-propenoate, dodecyl 2-methyl-2-propenoate, ethenylbenzene, ethyl 2-propenoate, 2-hydroxyethyl 2-propenoate, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl hydrogen butanedioate and 2-methyl-2-propenoic acid (9CI)
- CN 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with butyl 2-propenoate, ethenylbenzene, ethyl 2-propenoate, 2-hydroxyethyl 2-propenoate, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl hydrogen butanedioate, 2-methyl-2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)
- CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, dodecyl 2-methyl-2-propenoate, ethenylbenzene, ethyl 2-propenoate, 2-hydroxyethyl 2-propenoate, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl hydrogen butanedioate and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)
- CN 2-Propenoic acid, butyl ester, polymer with dodecyl 2-methyl-2-propenoate, ethenylbenzene, ethyl 2-propenoate, 2-hydroxyethyl 2-propenoate, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl hydrogen butanedioate, 2-methyl-2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)
- CN 2-Propenoic acid, ethyl ester, polymer with butyl 2-propenoate, dodecyl 2-methyl-2-propenoate, ethenylbenzene, 2-hydroxyethyl 2-propenoate, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl hydrogen butanedioate, 2-methyl-2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)
- CN Benzene, ethenyl-, polymer with butyl 2-propenoate, dodecyl 2-methyl-2-propenoate, ethyl 2-propenoate, 2-hydroxyethyl 2-propenoate, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl hydrogen butanedioate, 2-methyl-2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)

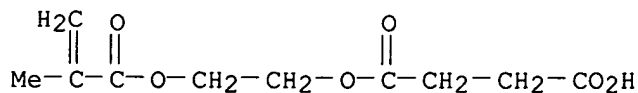
OTHER NAMES:

- CN **Acryester IBX-Acryester SA-butyl acrylate-ethyl acrylate-2-hydroxyethyl acrylate-lauryl methacrylate-methacrylic acid-styrene copolymer**
- FS STEREOSEARCH
- MF (C16 H30 O2 . C14 H22 O2 . C10 H14 O6 . C8 H8 . C7 H12 O2 . C5 H8 O3 . C5 H8 O2 . C4 H6 O2)x
- CI PMS
- PCT Polyacrylic, Polystyrene
- SR CA
- LC STN Files: CA, CAPLUS

CM 1

CRN 20882-04-6

CMF C10 H14 O6

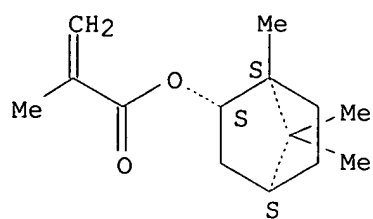


CM 2

CRN 7534-94-3

CMF C14 H22 O2

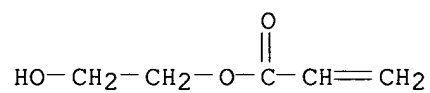
Relative stereochemistry.



CM 3

CRN 818-61-1

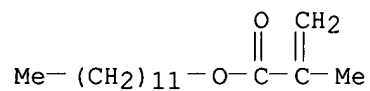
CMF C5 H8 O3



CM 4

CRN 142-90-5

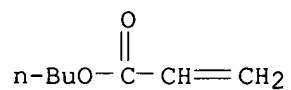
CMF C16 H30 O2



CM 5

CRN 141-32-2

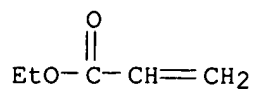
CMF C7 H12 O2



CM 6

CRN 140-88-5

CMF C5 H8 O2



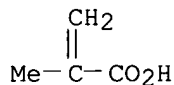
CM 7

CRN 100-42-5
CMF C8 H8

$\text{H}_2\text{C}=\text{CH}-\text{Ph}$

CM 8

CRN 79-41-4
CMF C4 H6 O2



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2002 ACS

RN 109664-11-1 REGISTRY

CN 2-Propenoic acid, 2-methyl-, 2,2-dimethyl-1,3-propanediyl ester, polymer with methyl 2-methyl-2-propenoate and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Propenoic acid, 2-methyl-, (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, rel-, polymer with 2,2-dimethyl-1,3-propanediyl bis(2-methyl-2-propenoate) and methyl 2-methyl-2-propenoate (9CI)

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2,2-dimethyl-1,3-propanediyl bis(2-methyl-2-propenoate) and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate (9CI)

OTHER NAMES:

CN **Acryester IBX-NK Ester NPG-methyl methacrylate copolymer**

CN Isobornyl methacrylate-methyl methacrylate-neopentyl glycol dimethacrylate copolymer

FS STEREOSEARCH

MF (C14 H22 O2 . C13 H20 O4 . C5 H8 O2)x

CI PMS

PCT Polyacrylic

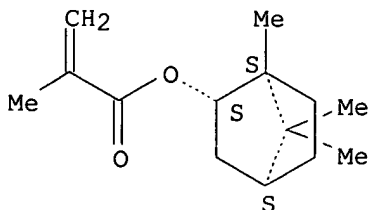
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

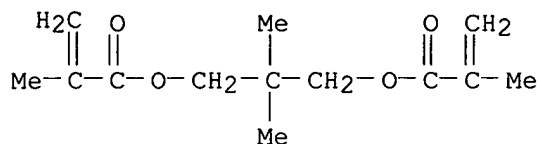
CRN 7534-94-3
CMF C14 H22 O2

Relative stereochemistry.



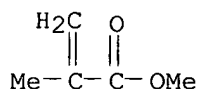
CM 2

CRN 1985-51-9
CMF C13 H20 O4



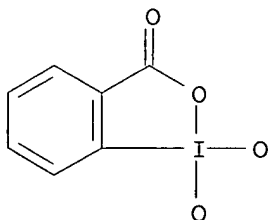
CM 3

CRN 80-62-6
CMF C5 H8 O2



9 REFERENCES IN FILE CA (1967 TO DATE)
9 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2002 ACS
RN 61717-82-6 REGISTRY
CN 1,2-Benziodoxol-3(1H)-one, 1-hydroxy-, 1-oxide (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-Hydroxy-1,2-benziodoxol-3(1H)-one 1-oxide
CN **IBX**
MF C7 H5 I O4
CI COM
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMCATS, TOXCENTER,
USPATFULL
(*File contains numerically searchable property data)



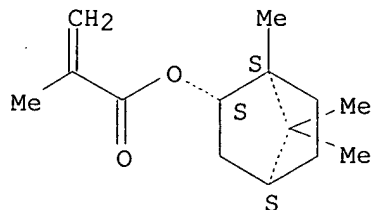
*** FRAGMENT DIAGRAM IS INCOMPLETE ***
38 REFERENCES IN FILE CA (1967 TO DATE)
39 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2002 ACS
RN 7534-94-3 REGISTRY
CN 2-Propenoic acid, 2-methyl-, (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, rel- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propenoic acid, 2-methyl-, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-
CN Methacrylic acid, isobornyl ester (6CI, 7CI, 8CI)

•OTHER NAMES:

CN **Acryester IBX**
 CN Isoborneol methacrylate
 CN Isobornyl methacrylate
 CN Light Ester IB-X
 CN SR 423
 CN SR 423A
 FS STEREOSEARCH
 DR 7390-97-8
 MF C14 H22 O2
 CI COM
 LC STN Files: BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,
 CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, HSDB*, IFICDB, IFIUDB,
 MSDS-OHS, PIRA, PROMT, SPECINFO, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

191 REFERENCES IN FILE CA (1967 TO DATE)
 86 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 191 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	14.62	14.83

FILE 'CAPLUS' ENTERED AT 11:50:28 ON 27 AUG 2002
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FILE COVERS 1907 - 27 Aug 2002 VOL 137 ISS 9
 FILE LAST UPDATED: 26 Aug 2002 (20020826/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

```
=> s l1 and oxandrolone
      239 L1
      196 OXANDROLONE
L2      0 L1 AND OXANDROLONE
```

```
=> s l1 and mestanolone
      239 L1
      27 MESTANOLONE
L3      0 L1 AND MESTANOLONE
```

```
=> s oxandrolone
L4      196 OXANDROLONE
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=> s l4 and preparation
      1194105 PREPARATION
L5      2 L4 AND PREPARATION
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=> d l5 1-2 ibib hitstr abs
```

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:198196 CAPLUS

DOCUMENT NUMBER: 118:198196

TITLE: Methods and formulations for use in inhibiting conception and in treating benign gynecological disorders

INVENTOR(S): Spicer, Darcy Vernon; Pike, Malcolm Cecil

PATENT ASSIGNEE(S): University of Southern California, USA

SOURCE: PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9218107	A1	19921029	WO 1992-US2973	19920410
W: CA, FI, NO, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
US 5211952	A	19930518	US 1991-684612	19910412
CA 2084891	AA	19921013	CA 1992-2084891	19920410
CA 2084891	C	19990105		
EP 538443	A1	19930428	EP 1992-910686	19920410
EP 538443	B1	19971001		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
AT 158717	E	19971015	AT 1992-910686	19920410
ES 2109995	T3	19980201	ES 1992-910686	19920410
NO 9204755	A	19930209	NO 1992-4755	19921209
US 5340584	A	19940823	US 1993-952513	19930201
PRIORITY APPLN. INFO.:			US 1991-684612	19910412
			WO 1992-US2973	19920410

AB Slow-release compns. for inhibiting conception and treating benign gynecol. disorders contain a gonadotropin hormone releasing hormone (GnRH), an estrogen to be released first, in addn. to a progestogen and, optionally, an androgen. An. i.m. delivery system for administration over

- 4 mo contains buserelin, estradiol, and progesterone, such that the amt. of GnRH is sufficient to suppress LH and FSH secretion during the entire period of administration. Both buserelin and estradiol are in the form of glycolide-lactide microspheres.

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1992:551203 CAPLUS

DOCUMENT NUMBER: 117:151203

TITLE: Studies on anabolic steroids. 9. Tertiary sulfates of anabolic 17.alpha.-methyl steroids: synthesis and rearrangement

AUTHOR(S): Bi, Honggang; Masse, Robert; Just, George

CORPORATE SOURCE: INRS-Sante, Univ. Quebec, Pointe-Claire, PQ, H9R 1G6, Can.

SOURCE: Steroids (1992), 57(7), 306-12

CODEN: STEDAM; ISSN: 0039-128X

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A simple and convenient method has been developed to prep. sulfates of anabolic 17.beta.-hydroxy-17.alpha.-Me steroids. The sulfates of methandienone, 17.alpha.-methyltestosterone, mestanolone, **oxandrolone**, and stanozolol were prepd. Different A-ring functions were not affected under the sulfation condition. The buffered hydrolyses of these sulfates provided the 17-epimers of the original steroids and 17,17-dimethyl-18-nor-13(14)-ene steroids, presumably via the 17-carbocations.

=> d his

(FILE 'HOME' ENTERED AT 11:48:52 ON 27 AUG 2002)

FILE 'REGISTRY' ENTERED AT 11:48:58 ON 27 AUG 2002

L1 6 S IBX

FILE 'CAPLUS' ENTERED AT 11:50:28 ON 27 AUG 2002

L2 0 S L1 AND OXANDROLONE

L3 0 S L1 AND MESTANOLONE

L4 196 S OXANDROLONE

L5 2 S L4 AND PREPARATION

=> s l4 and synthesis

1019393 SYNTHESIS

L6 9 L4 AND SYNTHESIS

=> s l6 and IBX

74 IBX

L7 0 L6 AND IBX

=> s l6 and mestanolone

27 MESTANOLONE

L8 3 L6 AND MESTANOLONE

=> d l8 1-3 abs hitstr ibib

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS

AB The use of anabolic steroids was banned by the International Olympic Committee for the first time at the Olympic Games in Montreal in 1976. Since that time the misuse of anabolic steroids by athletes has been controlled by anal. of urine exts. by gas chromatog.-mass spectrometry (GC-MS). The excreted steroids or their metabolites, or both, are isolated from urine by XAD-2 adsorption, enzymic hydrolysis of conjugated excreted metabolites with .beta.-glucuronidase from Escherichia coli, liq.-liq. extn. with di-Et ether, and converted into trimethylsilyl (TMS)

derivs. The confirmation of an anabolic steroid misuse is based on comparison of the electron impact ionization (EI) mass spectrum and GC retention time of the isolated steroid and/or its metabolite with the EI mass spectrum and GC retention time of authentic ref. substances. For this purpose excretion studies with the most common anabolic steroids were performed and the main excreted metabolites were synthesized for bolasterone, boldenone, 4-chlorodehydromethyltestosterone, clostebol, drostanolone, fluoxymesterone, formebolone, **mestanolone**, mesterolone, metandienone, methandriol, metenolone, methyltestosterone, nandrolone, norethandrolone, **oxandrolone**, and stanozolol. The metab. of anabolic steroids, the **synthesis** of their main metabolites, their GC retention and EI mass spectra as TMS derivs. are discussed.

ACCESSION NUMBER: 1993:441224 CAPLUS
DOCUMENT NUMBER: 119:41224
TITLE: Metabolism of anabolic steroids in man:
synthesis and use of reference substances for
identification of anabolic steroid metabolites
AUTHOR(S): Schaenzer, Willi; Donike, Manfred
CORPORATE SOURCE: Dtsch. Sporthochschule Koeln, Inst. Biochem.,
Carl-Diem-Weg 6, 5000, Cologne, Germany
SOURCE: Anal. Chim. Acta (1993), 275(1-2), 23-48
CODEN: ACACAM; ISSN: 0003-2670
DOCUMENT TYPE: Journal
LANGUAGE: English

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

AB The 17-epimers of the anabolic steroids bolasterone, 4-chlorodehydromethyltestosterone, fluoxymesterone, furazabol, metandienone, **mestanolone**, methyltestosterone, methandriol, **oxandrolone**, oxymesterone, oxymetholone, stanozolol, and the human metabolites 7.alpha.,17.alpha.-dimethyl-5.beta.-androstan-3.alpha.,17.beta.-diol, 6.beta.-hydroxy-metandienone, 17.alpha.-methyl-5.beta.-androst-1-ene-3.alpha.,17.beta.-diol, 3'-hydroxystanozolol, as well as the ref. substances 17.beta.-hydroxy-17.alpha.-methyl-5.beta.-androst-3-one, 17.beta.-hydroxy-17.alpha.-methyl-5.beta.-androst-1-en-3-one, the four isomers of 17-methyl-5-androstane-3,17-diol, and 17.beta.-hydroxy-7.alpha.,17.alpha.-dimethyl-5.beta.-androst-3-one were synthesized via a 17.beta.-sulfate that spontaneously hydrolyzed in water to several dehydration products, and to the 17.alpha.-hydroxy-17.beta.-Me epimer. The 17.beta.-sulfate was prepd. by reaction of the 17.beta.-hydroxy-17.alpha.-Me steroid with sulfur trioxide-pyridine complex. The 17.beta.-Me epimers are eluted in gas chromatog. as trimethylsilyl derivs. before the corresponding 17.alpha.-Me epimers. The electron impact mass spectra of the underivatized and trimethylsilylated epimers are in most cases identical and a differentiation between the 17-epimers was possible only in 3 cases. 1H NMR spectra show for the 17.beta.-Me epimer a chem. shift for the C-18 protons (singlet) of about 0.175 ppm (in CDCl3) to a lower field. 13C NMR spectra display differences for the 17-epimeric steroids in shielding effects for carbons 12-18 and 20. Excretion studies with the anabolic steroids with identification and quantification of 17-epimeric metabolites indicate that the extent of 17-epimerization depends on the A-ring structure and shows a great variation for the different 17.alpha.-Me anabolic steroids.

ACCESSION NUMBER: 1993:81236 CAPLUS
DOCUMENT NUMBER: 118:81236
TITLE: 17-Epimerization of 17.alpha.-methyl anabolic steroids
in humans: metabolism and **synthesis** of
17.alpha.-hydroxy-17.beta.-methyl steroids
AUTHOR(S): Schaenzer, Willi; Opfermann, Georg; Donike, Manfred
CORPORATE SOURCE: Inst. Biochem., Dtsch. Sporthochsch., Cologne,
D-5000/41, Germany
SOURCE: Steroids (1992), 57(11), 537-50
CODEN: STEDAM; ISSN: 0039-128X

DOCUMENT TYPE: Journal
LANGUAGE: English

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

AB A simple and convenient method has been developed to prep. sulfates of anabolic 17.beta.-hydroxy-17.alpha.-Me steroids. The sulfates of methandienone, 17.alpha.-methyltestosterone, **mestanolone**, **oxandrolone**, and stanozolol were prepd. Different A-ring functions were not affected under the sulfation condition. The buffered hydrolyses of these sulfates provided the 17-epimers of the original steroids and 17,17-dimethyl-18-nor-13(14)-ene steroids, presumably via the 17-carbocations.

ACCESSION NUMBER: 1992:551203 CAPLUS
DOCUMENT NUMBER: 117:151203
TITLE: Studies on anabolic steroids. 9. Tertiary sulfates of anabolic 17.alpha.-methyl steroids: **synthesis** and rearrangement
AUTHOR(S): Bi, Honggang; Masse, Robert; Just, George
CORPORATE SOURCE: INRS-Sante, Univ. Quebec, Pointe-Claire, PQ, H9R 1G6, Can.
SOURCE: Steroids (1992), 57(7), 306-12
CODEN: STEDAM; ISSN: 0039-128X
DOCUMENT TYPE: Journal
LANGUAGE: English

=> s l4 and oxasteroid

77 OXASTEROID

L9 1 L4 AND OXASTEROID

=> d l9

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AN 1969:93684 CAPLUS

DN 70:93684

TI Nutritional and metabolic effects of anabolic steroids and corticosteroids

AU Albanese, Anthony A.

CS Nutr. and Metab. Res. Div., Burke Rehabil. Center, White Plains, N. Y., USA

SO J. Amer. Med. Women's Ass. (1969), 24(1), 42-51

CODEN: JAMWAN

DT Journal

LA English

=> d l9 ibib hitstr abs

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1969:93684 CAPLUS

DOCUMENT NUMBER: 70:93684

TITLE: Nutritional and metabolic effects of anabolic steroids and corticosteroids

AUTHOR(S): Albanese, Anthony A.

CORPORATE SOURCE: Nutr. and Metab. Res. Div., Burke Rehabil. Center, White Plains, N. Y., USA

SOURCE: J. Amer. Med. Women's Ass. (1969), 24(1), 42-51

CODEN: JAMWAN

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The steroid protein activity index (SPA), a measurement of anabolic activity, was reported for orally administered anabolic steroids (testosterone propionate, 19-nortestosterone, norethandrolone, **oxandrolone**, 4-hydroxy-17.alpha.-methyltestosterone, methandrostenolone, stanozolol, norbolethione, 17.beta. -

trimethylsiloxandrost-4-en-3-one, BAS-71, and 17.beta.-hydroxy-2-oxa-19-norandrosta-4,9(10)-dien-3-one), corticosteroids (prednisone, prednisolone, triamcinolone, dexamethasone, paramethasone, betamethasone, and fluocortolone), as well as for parenteral anabolic steroids (dromostanolone propionate, stanozolol, methenolone enanthate, bolmantalate, **oxandrolone**, bolandiol dipropionate (SC-7525), SKF-6611, and SKF-8048). Trials with the oral administration of corticosteroids, followed by a period of combined corticosteroid and anabolic steroid therapy, permitted the detn. of the anticor-ticocatabolic activity index (ACAI). From this, the pos. action of the anabolic steroids on N retention could be quantitated and dosage relation established.

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:H

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
32.86	47.69

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-3.72	-3.72

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 11:58:05 ON 27 AUG 2002